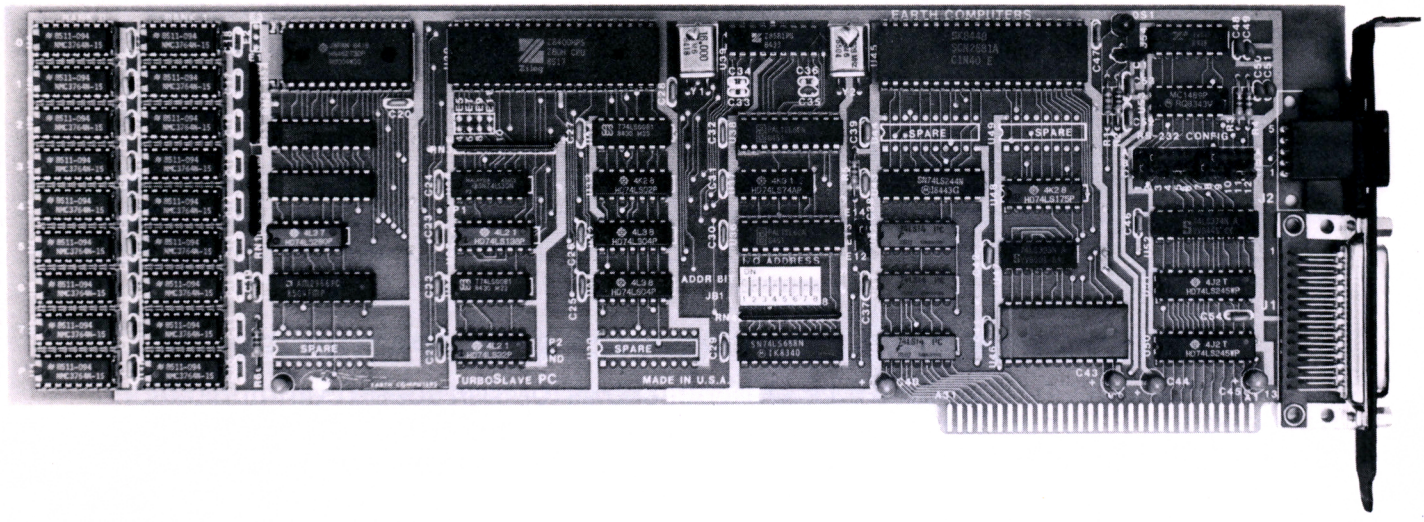

TURBOSLAVE - P.C. . . .The World's Fastest Z-80 Coprocessor

FEATURES

- 8 MHZ Z-80H
- 2 RS-232 PORTS, 50 - 38.4K BAUD
- 128K RAM WITH PARITY
- FASTEST CPM COPROCESSOR
- P.C. COMPATIBLE
- RUN OVER 2000 CPM PROGRAMS
- FULLY DOCUMENTED
- S.L.R. Z-80 ASSEMBLER INCLUDED
- OPEN ARCHITECTURE
- 16 TURBOSLAVES PER P.C.
- TRUE MULTI-USER

APPLICATION

Earth Computer's TurboSlave-P.C. is a 8 Mhz Z-80 based single board processor designed to operate in P.C. compatible computer systems. It was designed as a high performance coprocessor to allow for use in as many applications as possible including custom user defined tasks.

The large base of CPM software can be run on TurboSlave-P.C. A CPM emulator program is included for this purpose. Applications will run faster in most cases because of the high speed 8 megahertz Z-80 and large memory space.

TurboSlave-P.C. is supported by the TurboDOS operating system (separately purchased option) allowing up to sixteen TurboSlaves to be connected to a P.C., each running a user on a dumb terminal. Each user can run CPM and MPM compatible programs with full record locking and security.

TurboSlave-P.C. can be used as a background processor for communications, print spooling, data encryption and a host of other special purposes. Utility software to help develop these applications is included at no charge along with comprehensive technical documentation. A user library of software has been started to share applications as developed.

EARTH COMPUTERS

"Building Blocks For The Super Micro"

TurboSlave-P.C. was designed as a high performance coprocessor for P.C. compatible computer systems. It allows running over 2000 mature applications developed under CPM-80 on a blazing fast 8 MHZ Z-80. Many 8 bit languages out perform their 16 bit counterparts when run on TurboSlave-P.C. as compared to running on the P.C.'s 8088 processor.

TurboSlave-P.C. is a port mapped board which means it will work with most any P.C. compatible regardless of the processor bus size or clock speed. The number of TurboSlave-P.C.'s that can be run in a P.C. is limited only by available slots.

FIFO BUFFER BUYS PERFORMANCE & COMPATIBILITY

The processor independent F.I.F.O. buffer allows for high speed communications between the P.C. and TurboSlave-P.C. This takes no memory from the P.C. and allows TurboSlave-P.C. to continue processing while a message is being sent.

SOFTWARE

TurboSlave-P.C. includes CPEM, a CPM emulator that allows the execution of most CPM applications. The P.C.'s video is supported by emulating the standard ADM-3 control sequences. CPEM allows over 60k bytes of memory for the user's application, more than most CPM based computers. Of the utilities included, there is LX which allows loading and executing of stand alone program's into TurboSlave-P.C. A powerful Z-80 assembler supporting ZILOG mnemonics is included. The assembler, Z80ASM outperforms other assemblers by as much as six times.

VERSATILE SERIAL PORTS

The TurboSlave-P.C. provides two serial RS-232 ports that have software programmable baud rates from 50 to 38.4k baud. The 38.4k baud rate provides the fast update needed for 132 column terminals and windowing software. This allows for updating a standard terminal in less than 2 seconds. Full input and output handshaking are supported on both ports. These versatile ports do not require costly and cumbersome paddle or personality boards.

FULL DIAGNOSTICS: "AN EARTH COMPUTER FIRST"

TurboSlave I is the only P.C. Z-80 processor that features complete automatic diagnostics. On power up, TurboSlave performs functional checks of its CPU, ROM, RAM, F.I.F.O. buffer and uart.

COMPREHENSIVE WARRANTY

All Earth Computers products are burned in for 24 hours while in full operation. All boards are warranteed for one year from date of purchase.

P.O. Box 8067, Fountain Valley, CA 92728
TELEX: 910 997 6120 EARTH FV
PHONE: (714) 964-5784

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